

Preflight Inspection	
Cockpit	
Parking Brake	Set
Hobbs/Tach	Check
Battery	On
Fuel Quantity	Check
Lights/Stall Warning	Check
Electrical Equipment	Off
Battery	Off
Flaps	Check/Up
Trim	Check
Pitot/Static Drains	Drain/Close
Acdt Documents	On Board
Right Wing	
Flap Hinges	Check
Aileron	Check Hinges
Wingtip/Lights	Check
Leading Edge	Clean
Fuel Quantity	Check
Fuel Vent	Clear
Fuel Strainer	Sample
Landing Gear/Tire	Check
Air Inlet	Clear
Nose	
Engine Condition	Check
Oil Quantity	Check
Propeller & Spinner	Check
Alternator Belt	Check
Air Inlets	Clear
Landing Light	Check
Nose Gear & Tire	Check
Engine Condition (L)	Check
Fuel Strainer	Sample
Left Wing	
Same as Right Wing (in reverse). Also: check pitot / static mast and stall warning horn	
Fuselage and Empenage	
Antennas	Check
Air Inlet	Check
Stabilator & Trim	Check
Rudder	Check
Before Start	
Seat Belts	Fastened
Battery	On
Anti-Collision Lights	On
Nav Lights	_____
Fuel Selector	Lowest Tank
Engine Start	
Pilot In Command	Establish
Parking Brake	Set
Electric Fuel Pump	On
Mixture	Full Rich
Throttle	1/4" Open
Prime	As Required
Prop Area	Clear!
Starter	Engage

Throttle	1000 RPM		
Engine Instruments	Check		
Annunciators	Out		
Electric Fuel Pump	Off		
After Start			
Alternator	On		
Avionics	On		
Radios	Set		
Transponder	Standby		
Circuit Breakers	In		
Mixture	Leaned for Taxi		
Fuel Selector	Opposite Tank		
Before Taxi			
Toe Brakes	Check		
Fuel Pump	Off for Taxi		
Run Up			
Brakes	Set		
Mixture	Full Rich		
Throttle	2000 RPM		
Engine Instruments	In Limits		
Magnetos	Check		
Annunciators	Test		
Carb Heat	Check		
Gyro Suction	In Limits		
Throttle	Idle		
RPM & Oil Pressure	In Limits		
Throttle	1000 RPM		
Before Takeoff			
Flight Controls	Check		
Flight Instruments	Set		
Radios	Set		
Flaps	_____		
Trim	Set		
Takeoff Briefing	Complete		
Door & Window	Secured		
Parking Brake	Released		
Electric Fuel Pump	On		
Landing Light	On		
Transponder	Altitude		
Time Off	Noted		
V-Speeds (in KIAS)			
Vr	45-55	Va	89-113
Vx	64	Vfe	102
Vy	76	Vno	125
Climb	88	Vne	154
Vs	50	Glide	76
Vso	44	Max dem XW	

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After Takeoff	
Flaps	Up
Electric Fuel Pump	Off
Cruise	
Throttle	_____ RPM
Mixture	Leaned
Landing Light	_____
Pre-Maneuver Check	
Mixture	Rich
Min Safe Altitude	Verify
Area	Clear
Post-Maneuver Check	
Mixture	Lean
Engine Instruments	Check
Fuel Selector	Fullest Tank
Approach	
Flight Instrument	Ckd & Set
Radios	Set
Landing Light	On
Electric Fuel Pump	On
Mixture	Full Rich
Fuel Selector	Fullest Tank
Approach Briefing	Complete
Seat Belts	Fastened
After Landing	
Transponder	Standby
Electric Fuel Pump	Off
Landing Light	Off
Mixture	Leaned
Flaps	Up
Parking	
Avionics	Off
Mixture	Cut-Off
Electrical Equipment	Off
Battery & Alternator	Off
Magnetos	Off
Securing the Aircraft	
Hobbs/Tach	Record
Flight Controls	Secure
Door & Window	Secure
Tie-Downs	Secure
Vref Flaps 0-10	
Vref Flaps 25-40	

This checklist was developed with a 1986 Piper Archer II PA-28-181 in mind. Use at your own risk. Please DO NOT alter or obscure Dauntless Software identification from this document. please monitor our website <http://www.dauntless-soft.com> for modifications and updates to this checklist as well as other aviation stuff.

Engine Failure	
Altitude Sufficient For Restart?	
Yes	
No	
Glide	Establish
Landing Site	Select
Mixture	Cut-Off
Battery/Alternator	Off
Magnetos	Off
Fuel Selector	Off
Loss of Fuel Pressure	
Electric Fuel Pump	On
Fuel Selector	Opposite Tank
Flooded Engine Start	
Throttle	Full Forward
Battery/Alternator	On
Electric Fuel Pump	Off
Mixture	Cut-Off
Starter	Engage
Mixture (when engine fires)	Full Rich
Throttle	1000 RPM
Oil Pressure	Check
Hot Engine Start	
Throttle	1/2" Open
Battery/Alternator	On
Electric Fuel Pump	On
Mixture	Full Rich
Starter	Engage
Throttle	1000 RPM
Oil Pressure	Check
Engine Roughness	
Carb Heat	On
If roughness continues after one minute:	
Carb Heat	Cut-Off
Mixture	Adjust
Electric Fuel Pump	On
Fuel Selector	Opposite Tank
Engine Instruments	Check
Magnetos	Check
If operation on either magneto is satisfactory, continue on that magneto at reduced power with mixture full rich. Land as soon as practical.	

Yes	
Glide	Establish
Landing Site	Select
Electric Fuel Pump	On
Mixture	Full Rich
Fuel Selector	Opposite Tank
Carb Heat	On
Throttle	Set
Primer	Locked
Magnetos	Check
Engine Restarted?	
Yes	
No	
Mayday	Transmit
Mixture	Cut-Off
Battery/Alternator	Off
Magnetos	Off
Fuel Selector	Off
Engine Fire During Start	
Starter	Engage
Mixture	Cut-Off
Throttle	Open
Electric Fuel Pump	Off
Fuel Selector	Off
Evacuate if fire continues	
Engine Fire During Taxi	
Airplane	Stop
Mixture	Cut-Off
Fuel Selector	Off
Battery/Alternator	Off
Evacuate Aircraft	
Engine Fire In Flight	
Mixture	Cut-Off
Fuel Selector	Off
Glide	Establish
Landing Site	Select
Mayday	Transmit
Magnetos	Off
Battery/Alternator	Off
Cabin Fire In Flight	
Battery/Alternator	Off
Electrical Equipment	Off
Vents	Open
Carburetor Icing	
Carb Heat	On
Mixture	Adjust

Spin Recovery	
Throttle	Idle
Ailerons	Neutral
Rudder	Opposite dir of rotation
Control Wheel	Full Forward
Rudder and Control Wheel Neutral when rotation stops.	
Pitch	Level
Yes	
Leave fuel selector on present tank. Land as soon as possible.	
Loss of Oil Pressure / High Oil Temperature	
Land as soon as practical. Prepare for imminent engine failure.	
Electrical Failure	
Load Meter	Verify Inop
If load meter indicates zero	
Alternator	Off
Reduce electrical load to min	
Alternator Fld	Check
Circuit Breaker	& Reset
Alternator	On
If power is not restored	
Alternator	Off
Reduce electrical loads to a minimum, land as soon as practical.	
Electrical Overload	
Alternator	Off
Battery	On
If alternator loads are reduced, reduce electrical loads to a minimum, land as soon as practical. Otherwise:	
Alternator	Off
Battery	As Required
Leave battery on only if needed to power essential electrical equipment. Land as soon as practical.	
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by Dauntless Software	
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